

WHAT IS CLAIMED IS:

1. A selective pin illumination system, comprising:

a plurality of elongated fiber optic pins having a first end and a second end;

a control circuit; and

a plurality of light emitting elements electrically coupled to the control circuit

5                    wherein each of the light emitting elements is optically coupled with  
a corresponding first end of the elongated fiber optic pin.

2. The system as claimed in Claim 1 further comprising a power source  
connected to the control circuit.

3. The system as claimed in Claim 1, wherein the control circuit includes a  
process with instructions to selectively illuminate the light emitting elements and  
selectively adjust the intensity of the light emitting elements.

4. The system as claimed in Claim 3 further comprising one or more switches electrically coupled to the control circuit.
5. The system as claimed in Claim 4, wherein the one or more switches are adapted to selectively illuminate the light emitting elements and to selectively adjust the intensity of the light emitting elements.
6. The system as claimed in Claim 3, wherein the process further includes instructions to remove power from the control circuit after an extended period of non-use.
7. The system as claimed in Claim 1, wherein each of the elongated fiber optic pins has an individual color.
8. The system as claimed in Claim 1, wherein the light emitting elements transmit light to each of the fiber optic pins.

9. A bow sight, comprising:

a mounting bracket;

a windage adjustment bar connected to the mounting bracket, the windage adjustment bar having a cavity;

5 a selective pin illumination system, comprising:

a plurality of elongated fiber optic pins having a first end and a second end, the fibers extending from the cavity to a pin holding bracket connected to the windage adjustment bar;

a control circuit located within the cavity; and

10 a plurality of light emitting elements electrically coupled to the control circuit wherein each of the light emitting elements is optically coupled with a corresponding first end of the elongated fiber optic pin within the cavity.

10. The bow sight as claimed in Claim 9 further comprising a switch electrically coupled to the control circuit, the switch protruding from the cavity.

11. The bow sight as claimed in Claim 10 further comprising an elastic push button cover mechanically coupled to the switch and covering the cavity.

12. The bow sight as claimed in Claim 10 further comprising at least one battery electrically coupled to the control circuit.

13. The bow sight as claimed in Claim 12 further comprising a battery housing cap enclosing the at least one battery and connected to the windage adjustment bar.

14. The bow sight as claimed in Claim 9, wherein the second ends of the plurality of elongated fiber optic pins emit light within the pin holding bracket.

15. The bow sight as claimed in Claim 14, wherein the second ends of the plurality of elongated fiber optic pins are adapted to be adjusted as aiming points.

16. The bow sight as claimed in Claim 15 further comprising a set screw for each of the plurality of elongated fiber optic pins.

17. A bow, comprising:

a bow shaft;

a bow string connected to the bow shaft;

a bow sight connected to the bow shaft, the bow sight including:

a mounting bracket;

a windage adjustment bar connected to the mounting bracket, the  
windage adjustment bar having a cavity;

a selective pin illumination system, comprising:

10                   a plurality of elongated fiber optic pins having a first end and  
                    a second end, the fibers extending from the cavity to a  
                    pin holding bracket connected to the windage  
                    adjustment bar;

                    a control circuit located within the cavity; and

15                   a plurality of light emitting elements electrically coupled to the  
                    control circuit wherein each of the light emitting  
                    elements is optically coupled with a corresponding first  
                    end of elongated fiber optic pin within the cavity.